

# Mink3a protein sequence

```

1  MGDPAPARSLDDIDLSALRDPAGIFELVEVVGNGTYQVYKGRHVKTGQLAAIKVMDVTE
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1021 MLLDRSGQKQVYGLIGRRRFQOMDVLEGLNLLITISGKRNLKRVYYLSWLRNLIKLNHNDPE
1081 VEKKQGWTTVGDMEGCGHYRVVKYERIKFLVIALKSSVEVYAWAPKPYHKFMAFKSFADL
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## Mink3a nucleotide sequence

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Fig. 1

Sheet 1

1002915.101901

# 100519-100501

### Mink3b nucleotide sequence

Fig. 1

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### Mink3c protein sequence

Fig. 1

541 VPRSQSLQDQPTRNLAAFPASHDPDPAIPAPTATPSARGAVIRQNSDPTSEGGPSPNPP  
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1141 SYDIYIPVHIQSGITPAHIFLPTDGMEMLLCYEDEGVYVNTYGRIIKDVVLQWGEMPT  
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1261 SQVYFMTLNRNCIMNW

### Mink3c nucleotide sequence

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10029115.101901

Fig. 1  
Sheet 5

# The structure of Mink proteins

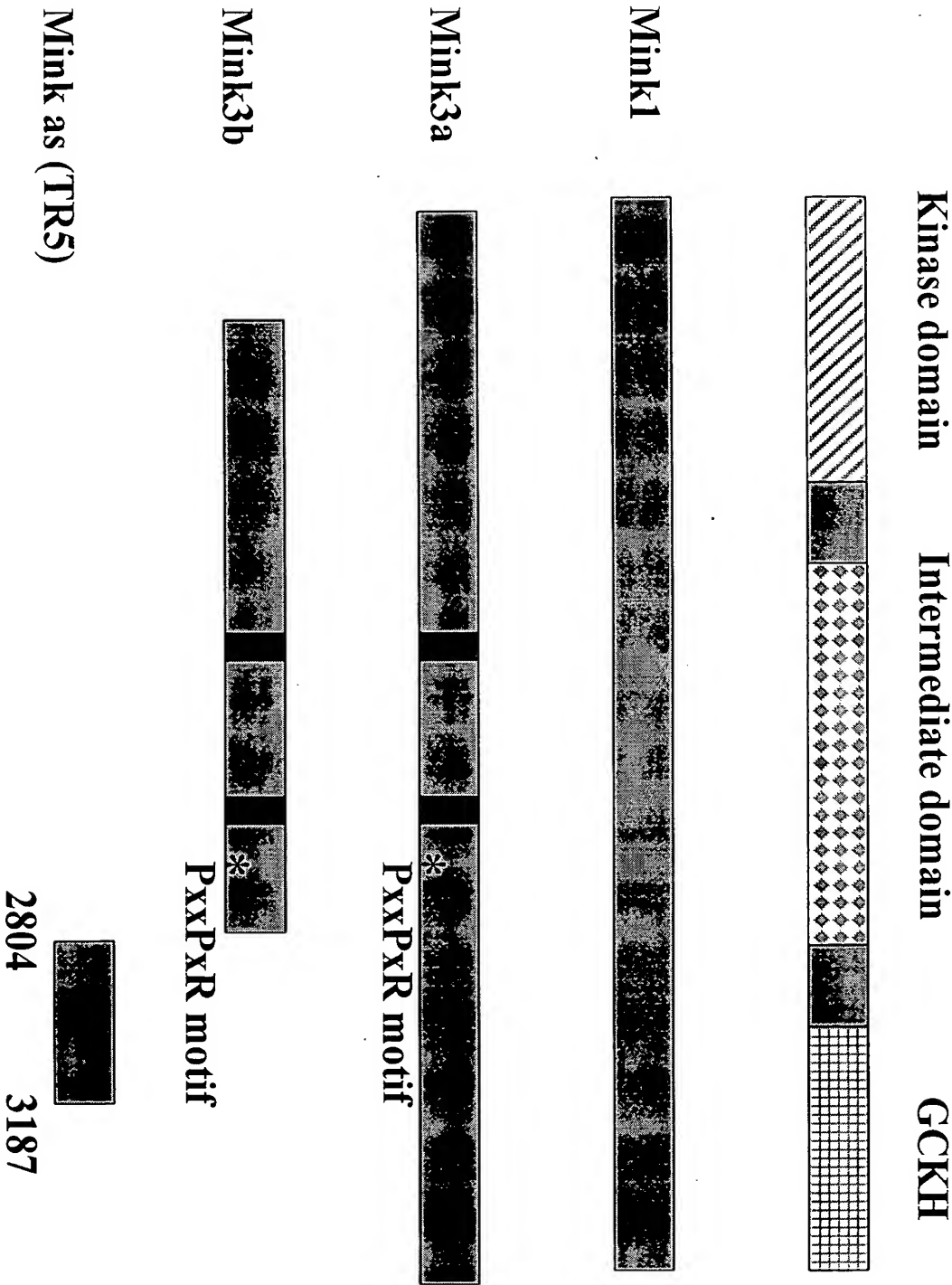


Fig. 2

# TR5 inhibits the transcriptional activity of AP1-luciferase reporter gene in 293 cells

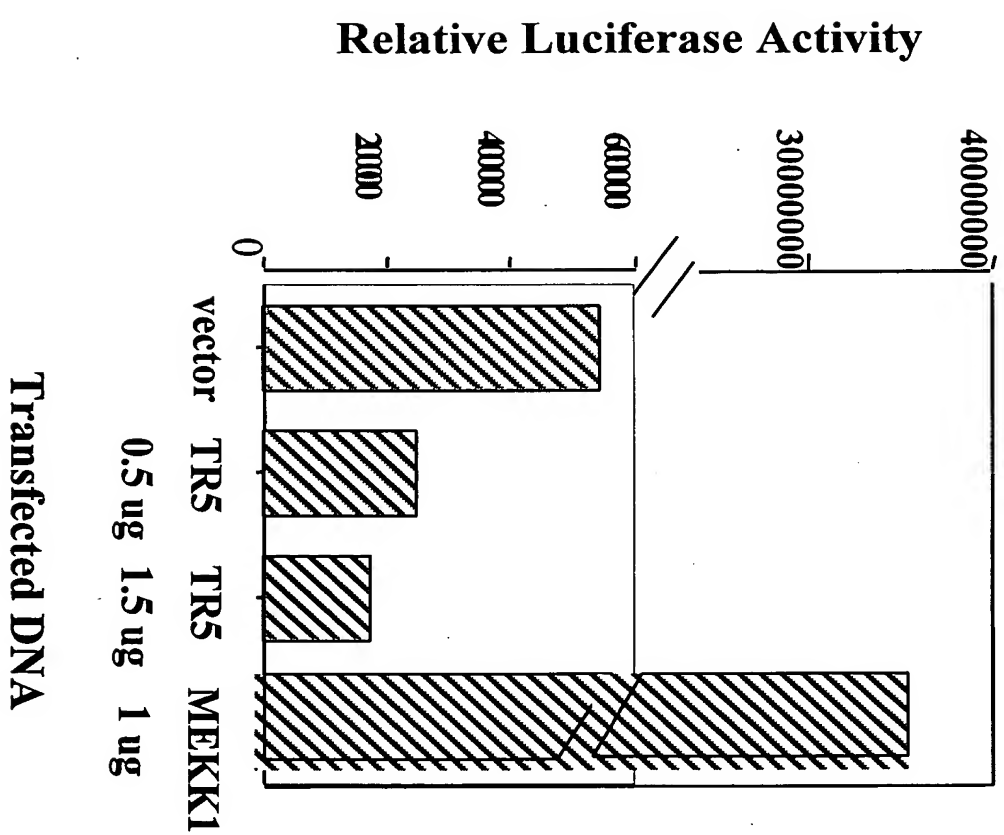


Fig. 3

# Signal pathways regulating Taxol-mediated apoptosis

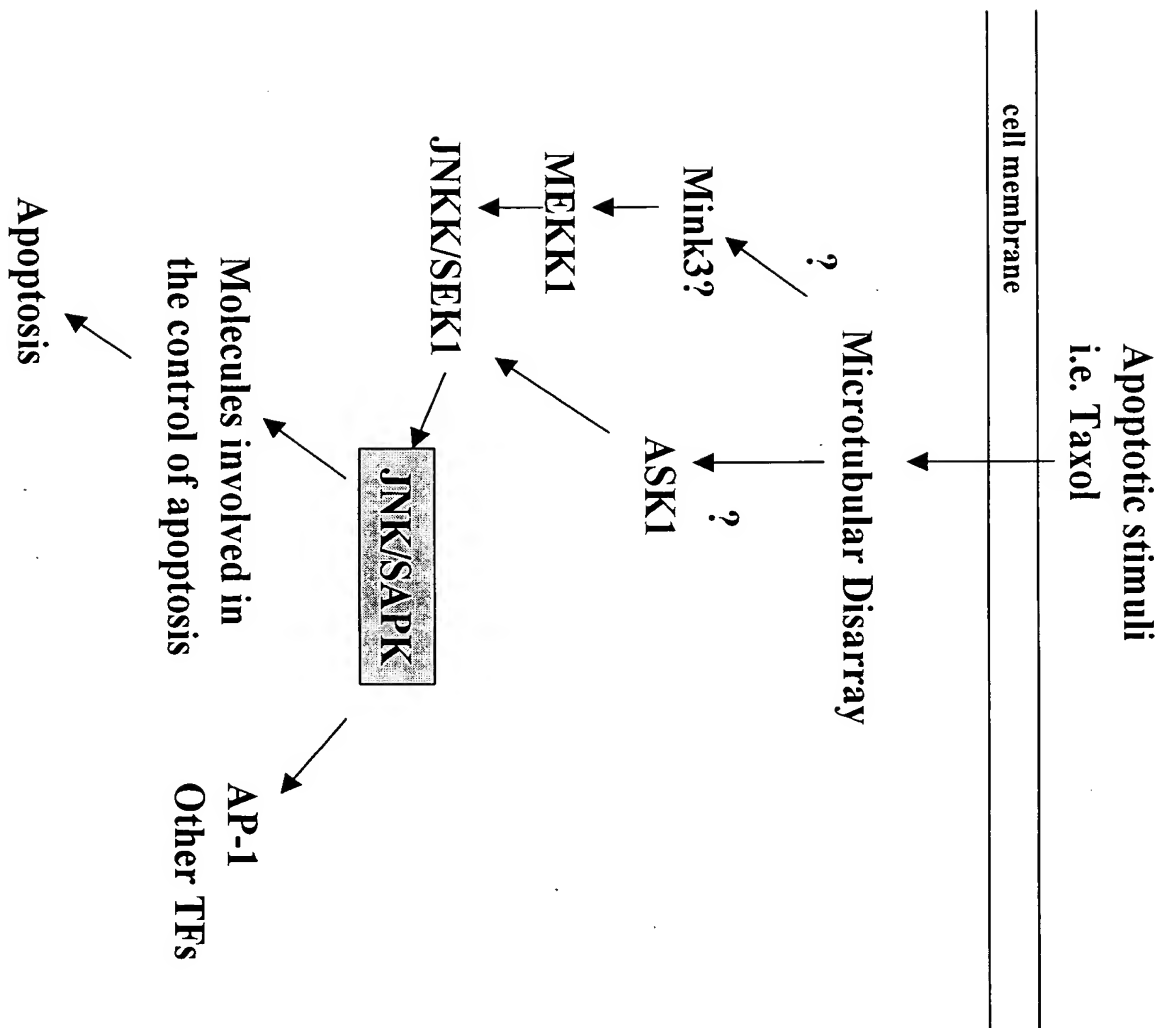


Fig. 4



# The signal transduction of MAPK pathways

## Mitogenic signals

Growth factors  
EGF, FGF, PMA

## Stress stimuli

UV light, heat shock  
cytokines, osmolarity

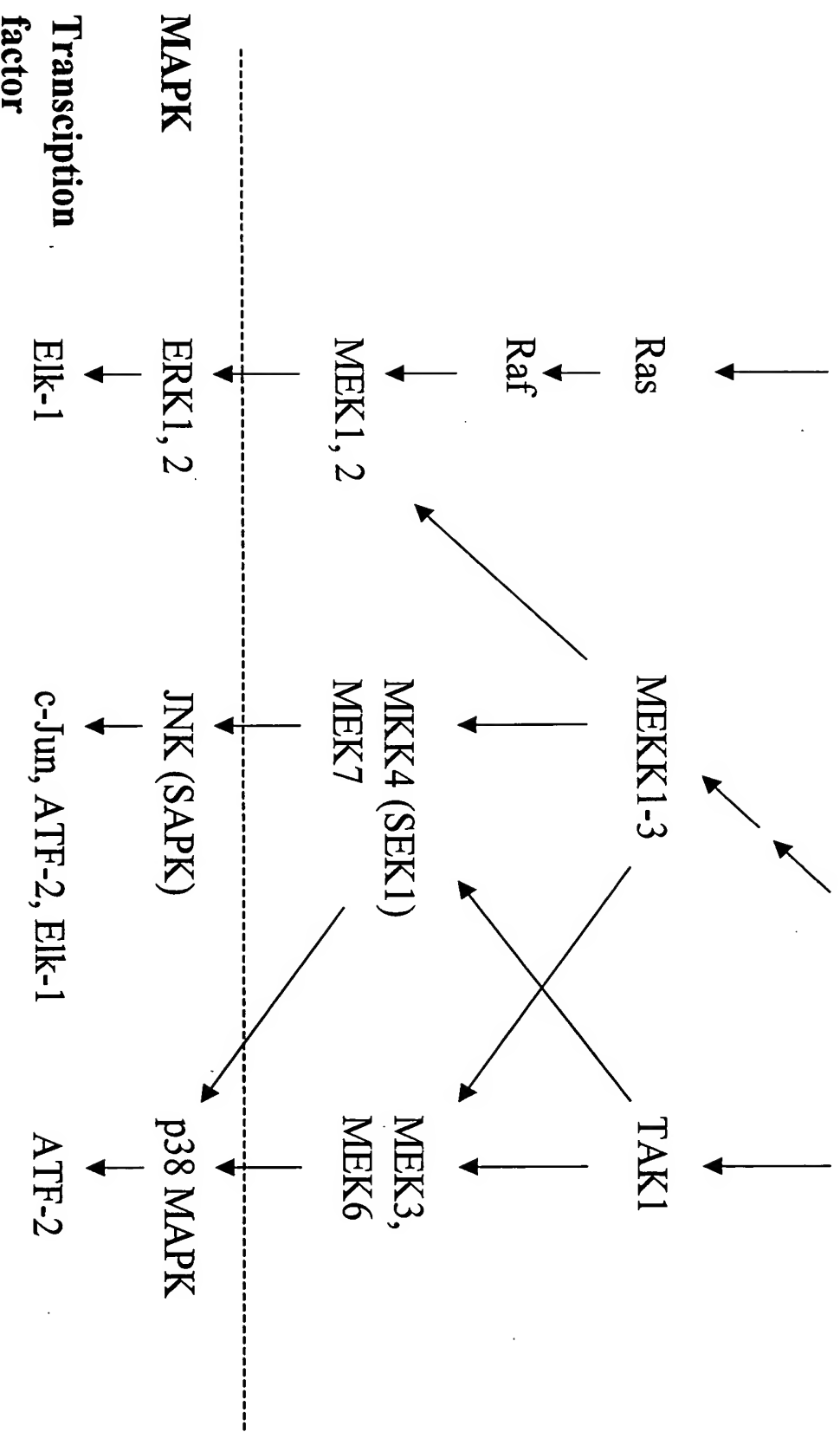


Fig. 5

# The MAPK signaling pathway

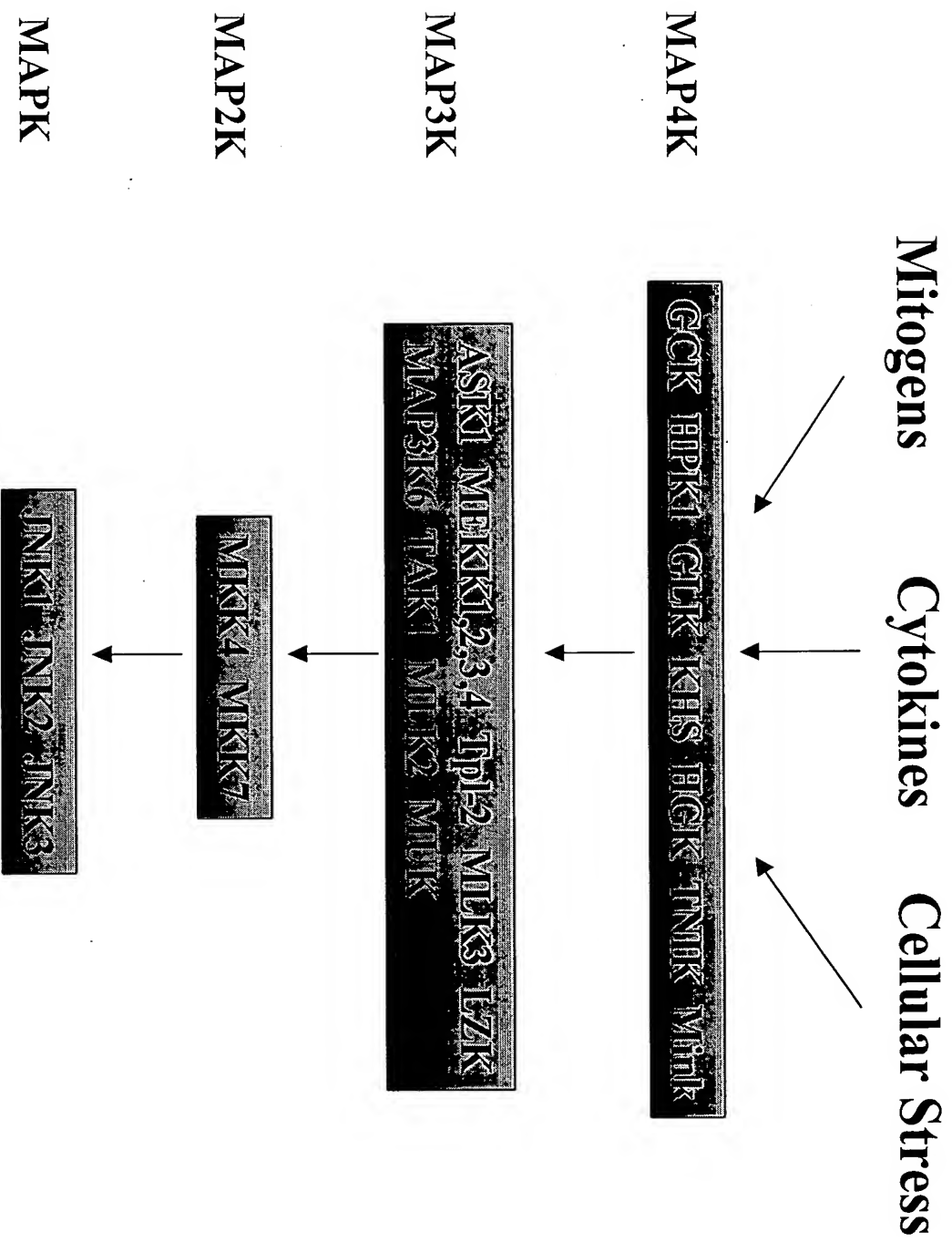


Fig. 6

# 3 $\lambda$ Expression antisense of Mink confers Taxol-resistance in HeLa cells

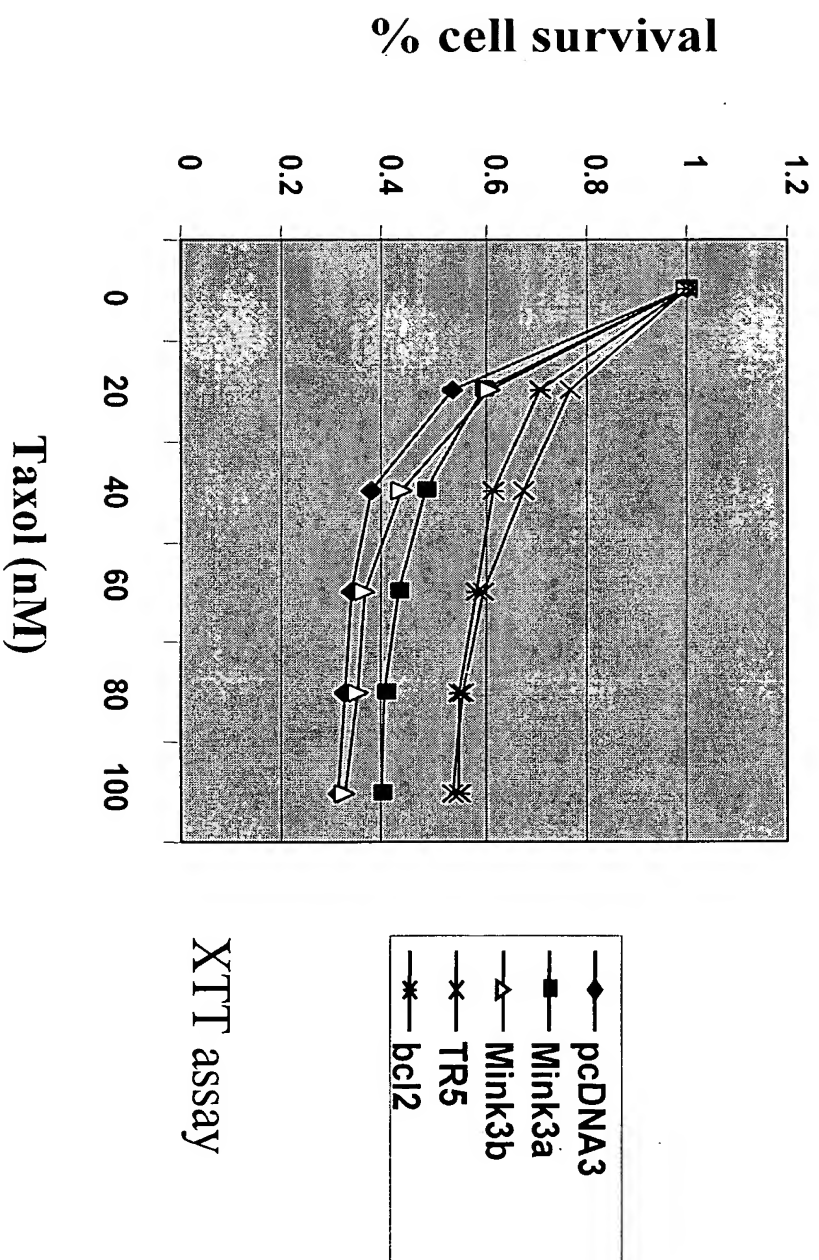


Fig. 7

# Expression of Mink3a in A549 cells slows down the cell growth in low serum medium

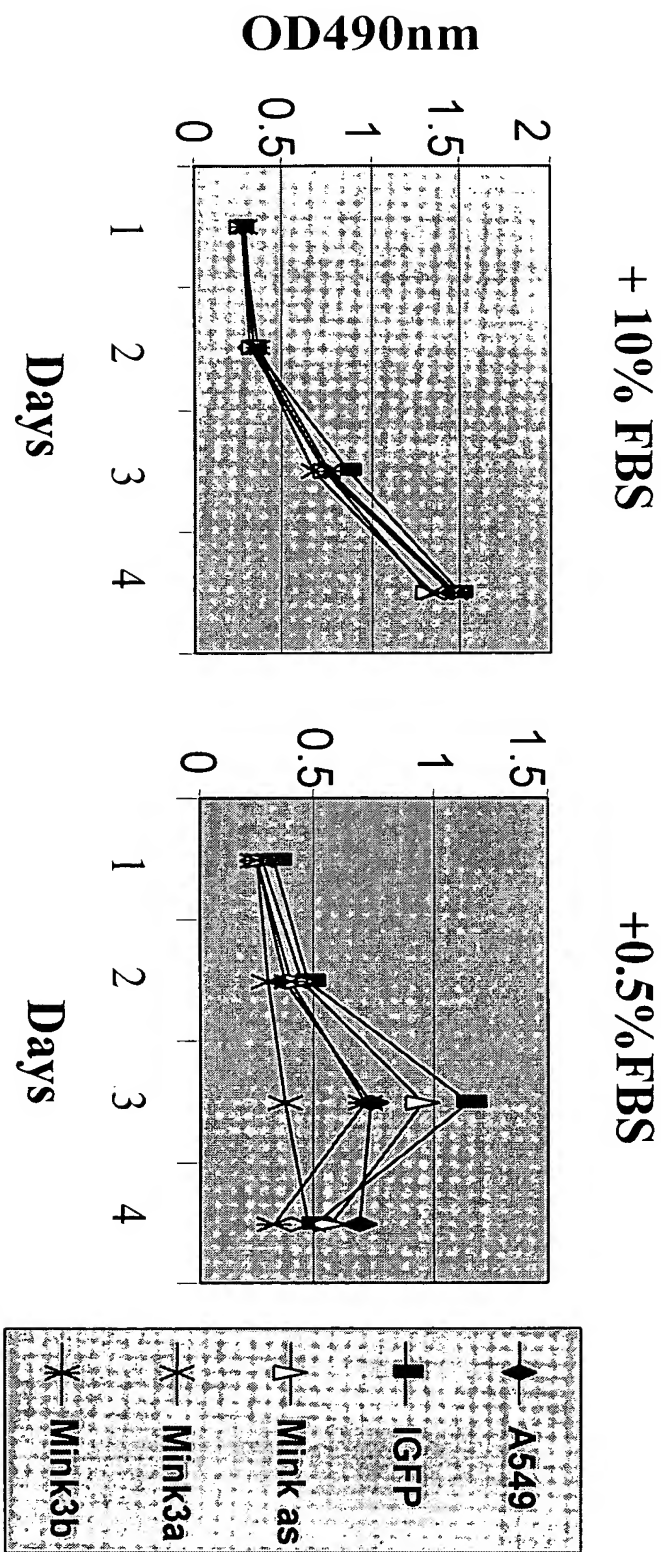


Fig. 8

# Expression of antisense of Mink inhibits EGF-mediated induction of ERK signal pathway

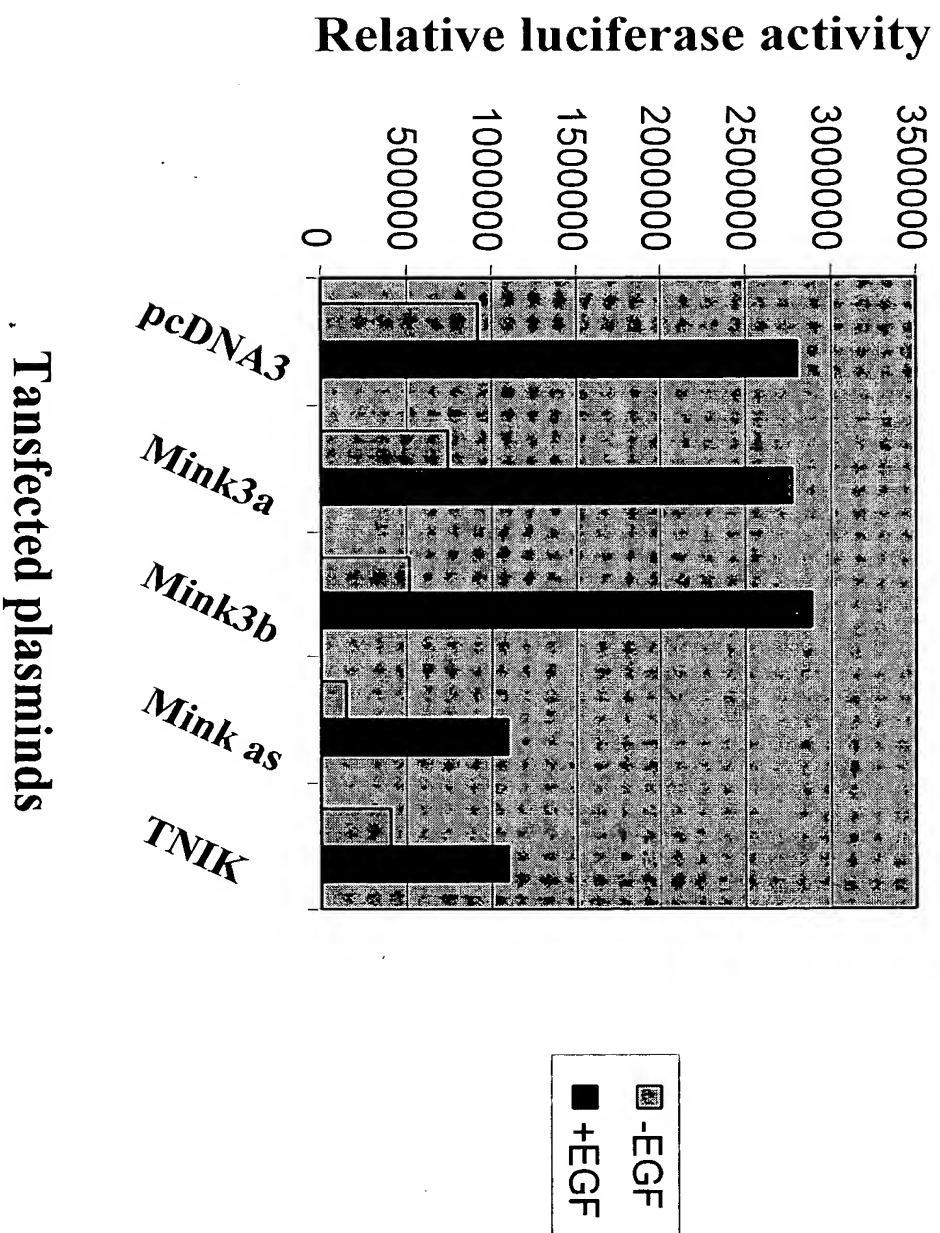


Fig. 9

# TR5 and Bcl2 block Taxol-induced cleavage of Rb protein

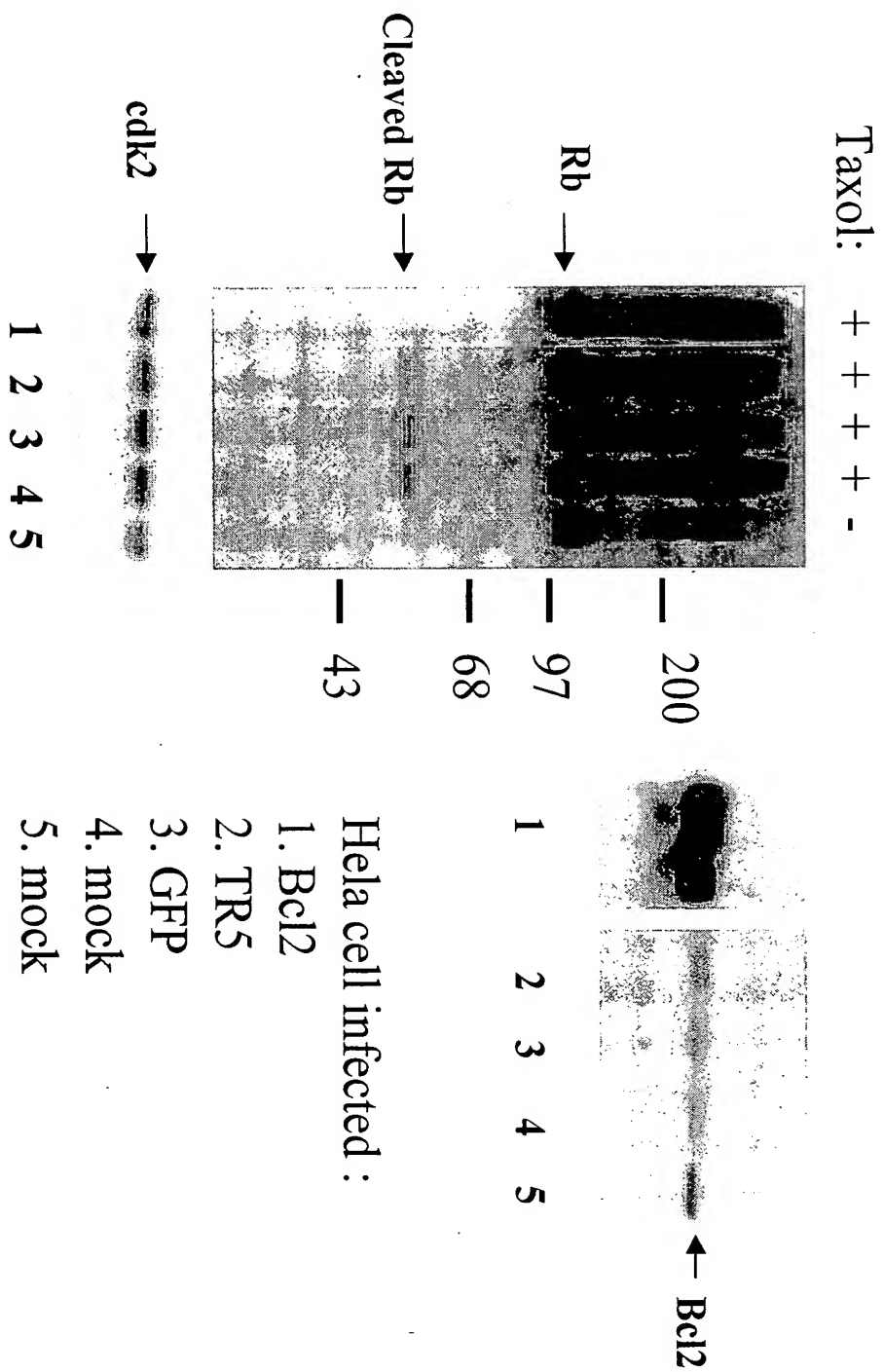


Fig. 10

# **Expression of Mink3 message in human tissue**

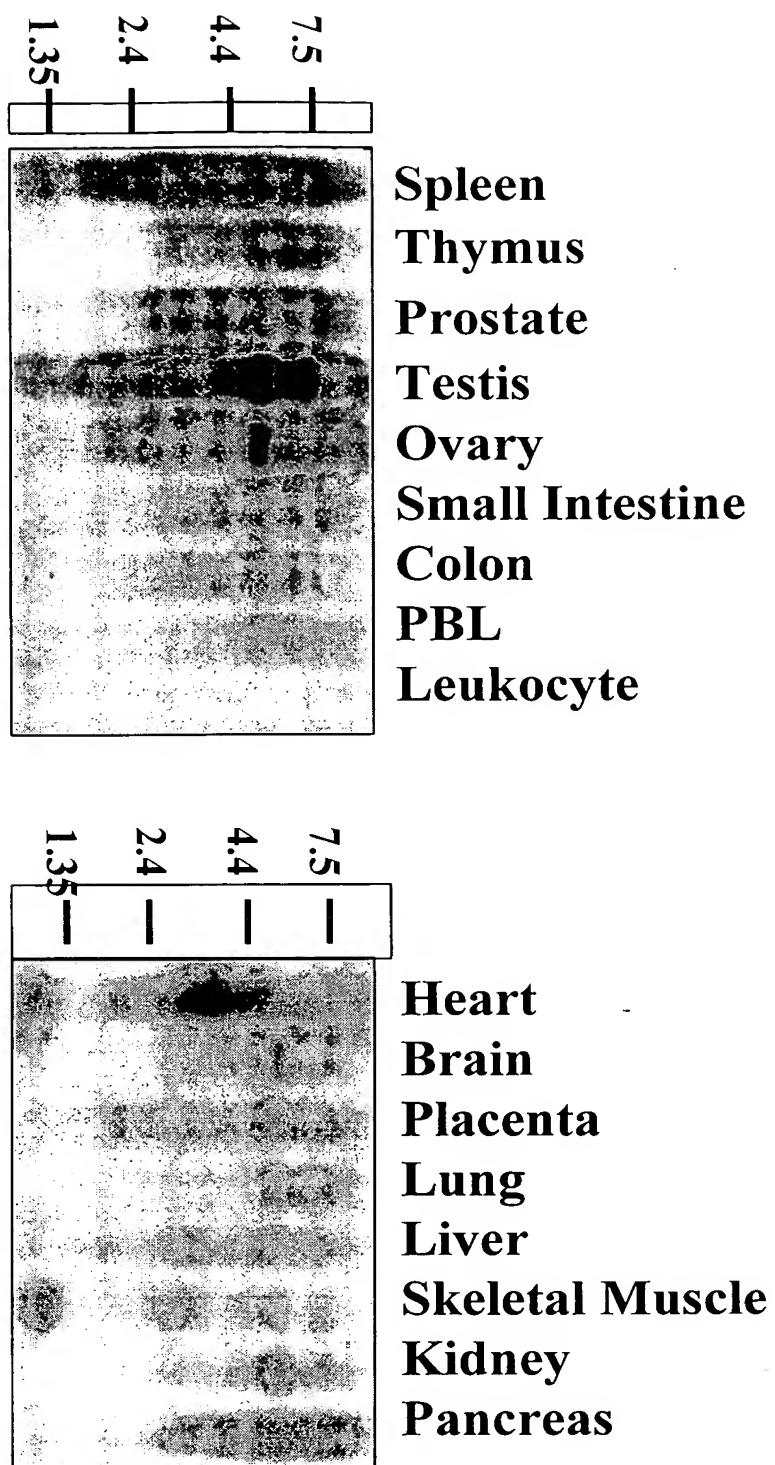


Fig. 11

# Expression of Mink3 message in tumor cell lines

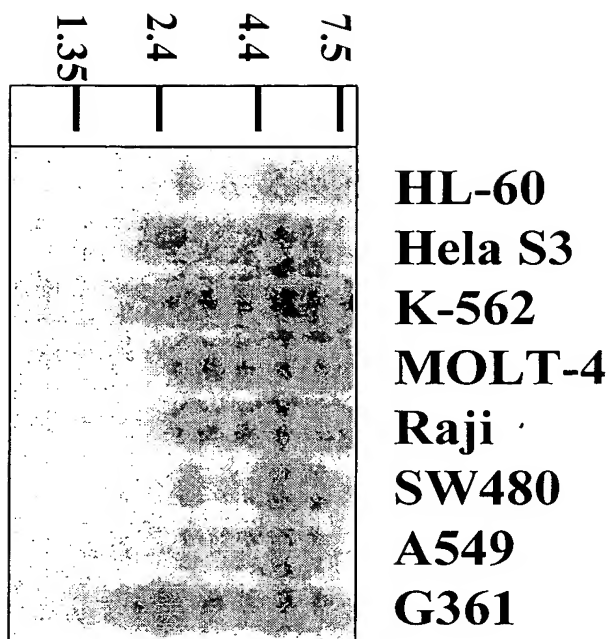


Fig. 12



# Mink3a activates JNK and ERK pathways

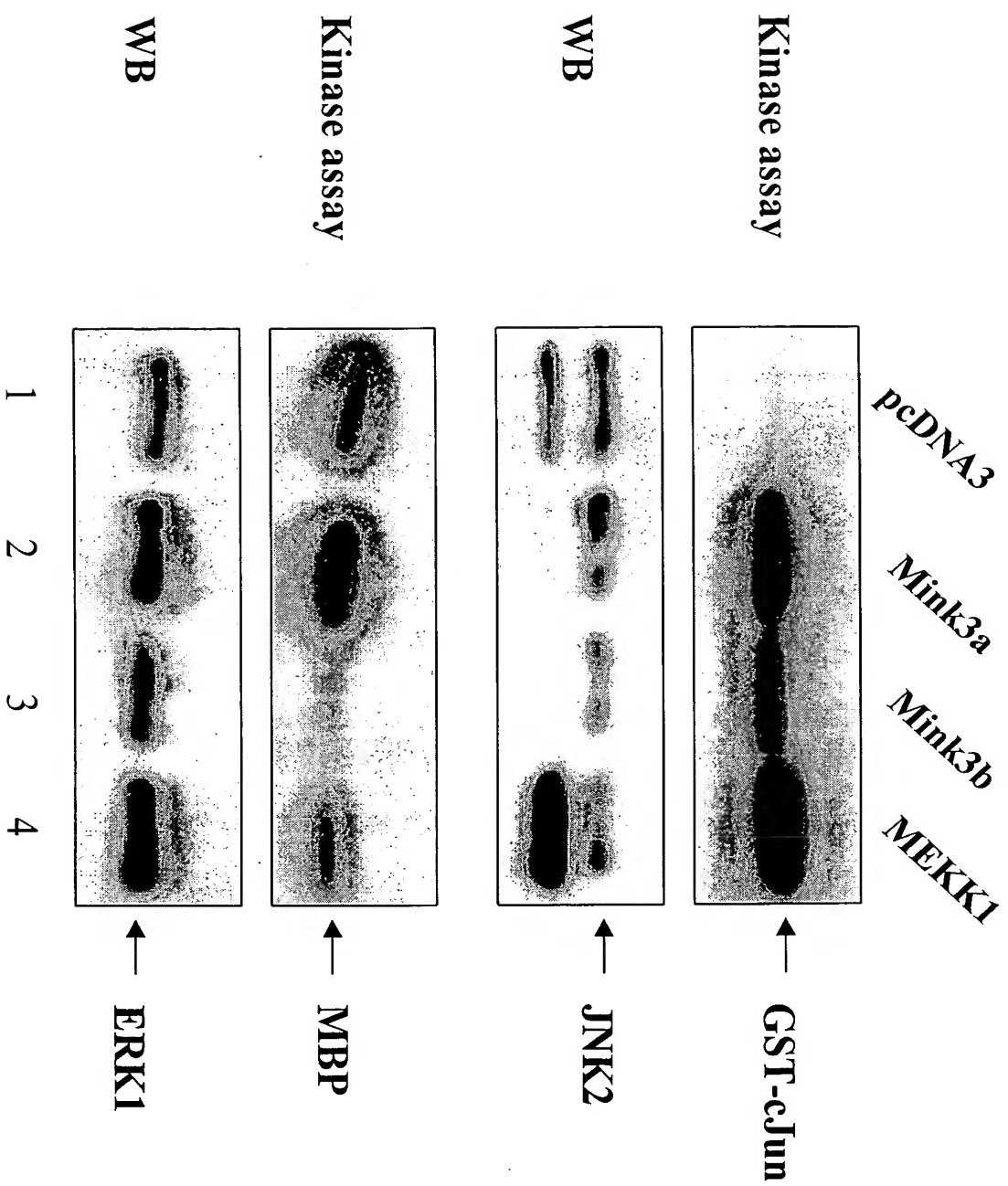


Fig. 13

# Expression of Mink3a in MDA-MB-231 cells causes the cellular morphological change

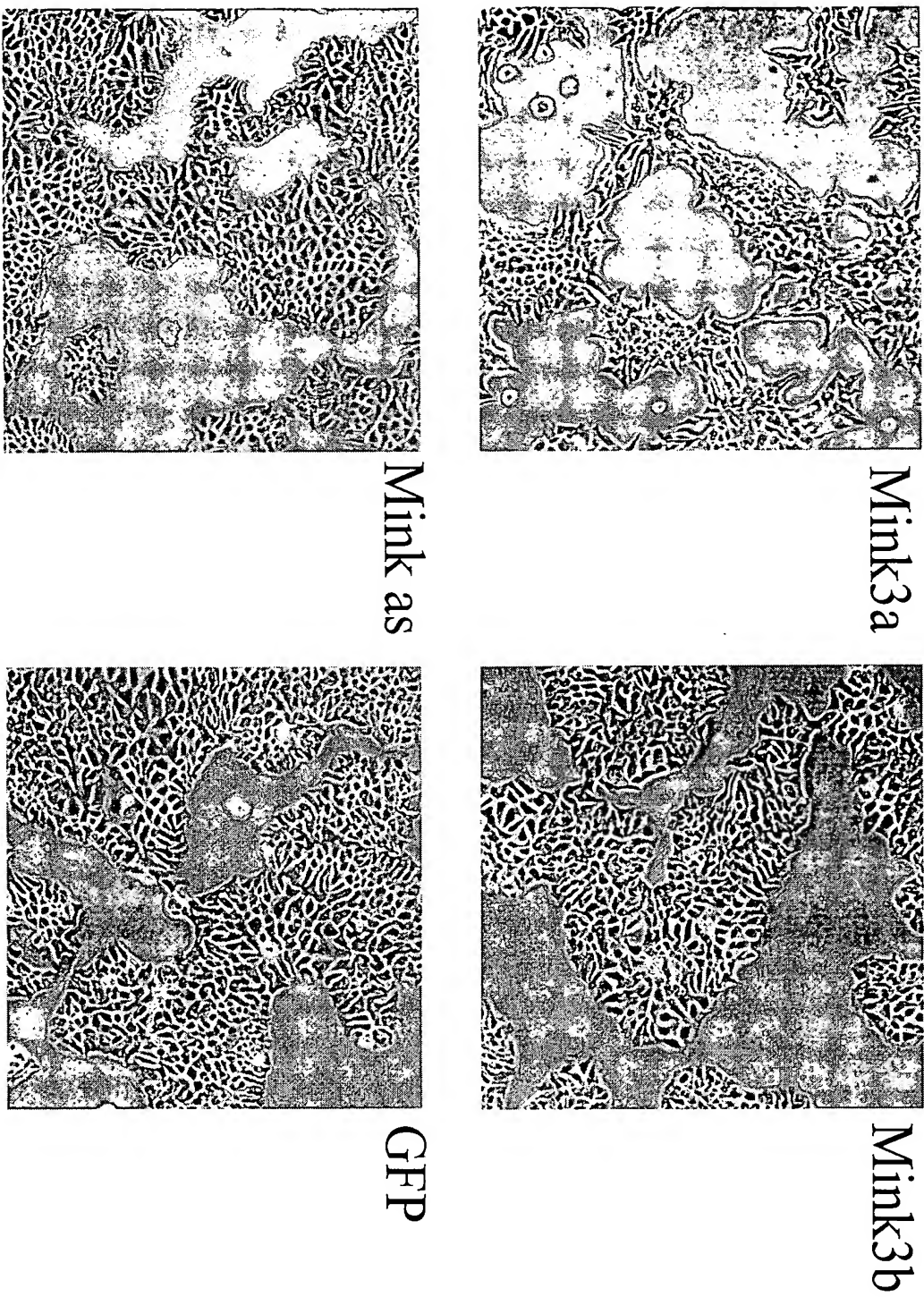
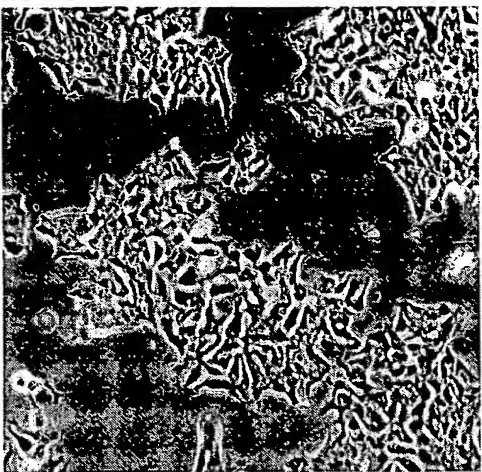
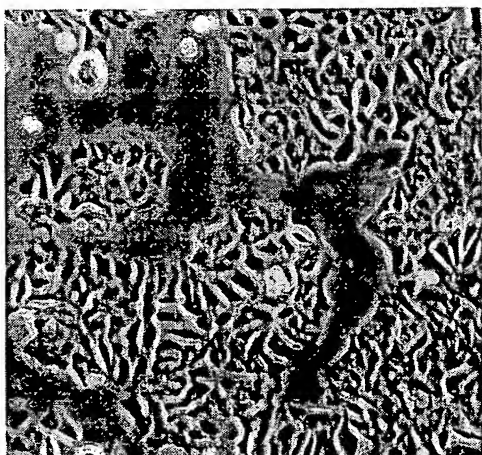


Fig. 14

# MEK inhibitor restore the morphology of Mink3a infected MDA-MB-231 cells



Mink3a



Mink3a  
+PD98059



MDA-MB-231

Fig. 15